Specifications — SVS 100 Seamless Video Switcher

Video

Gain	Unity
Differential phase error	1.5º, 0 to 10 MHz
Differential gain error	1.5%, 0 to 10 MHz

Video input and loopthrough

Number/signal type	S-video: 2 inputs, 2 loop-throughs NTSC/PAL composite video: 4 inputs, 4 loop-throughs
Connectors	4 4-pin mini-DIN female ..... S-video 8 BNC female ..... composite video
Minimum/maximum levels	0V to 2.0V p-p
Impedance	75 ohms
Vertical frequency	50 Hz to 60 Hz

Video processing

Encoder	10 bit digital

Video output

Number/signal type	1 S-video 2 composite video
Connectors	1 4-pin mini-DIN female ..... S-video 2 BNC female ..... composite video
Minimum/maximum levels	0V to 1.0V p-p
Impedance	75 ohms

Sync

Standards	NTSC 3.58, PAL

Audio

Gain	Unbalanced 0dB, balanced +6dB
Frequency response	20 Hz to 20 kHz, ±0.05dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at rated maximum output drive (+19.5dBu input, +21dBu output, balanced/unbalanced)
S/N	>90dB, output +21dBu, balanced
Crosstalk	<-80dB @ 1 kHz
Stereo channel separation	>80dB @ 1 kHz
CMRR	>75dB @ 20 Hz to 20 kHz

Audio input

Number/signal type	4 stereo, balanced/unbalanced
Connectors	4 3.5 mm captive screw connectors, 5-pole
Impedance	50 kohms unbalanced, 25 kohms balanced, DC coupled
Maximum input level	+19.5dBu (balanced/unbalanced) at stated %THD+N
Input gain adjustment	-15dB to +9dB, adjustable per input via RS-232 or front panel

Audio output

Number/signal type	1 stereo, balanced/unbalanced
Connectors	1 3.5 mm captive screw connector, 5-pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.1dB channel to channel
Maximum level (Hi-Z)	>+21dBu, balanced at stated %THD+N
Maximum level (600 ohm)	>+15dBu, balanced at stated %THD+N

NOTE *0dBu = 0.775 volts (RMS).*

Control/remote — video processor

Serial control port	RS-232/RS-422, 9-pin female D connector
Baud rate and protocol	9600, 8-bit, 1 stop bit, no parity
Serial control pin configurations	2 = TX, 3 = RX, 5 = GND
Program control	Extron's control program for Windows Extron's Simple Instruction Set™ – SIS™

General

Power	100VAC to 240VAC, 50/60 Hz, 40 watts, internal
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing
Rack mount	Yes, and furniture/wall mountable with included brackets
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 9.5" D (1U high, full rack width) 4.4 cm H x 44.4 cm W x 24.1 cm D (Depth excludes connectors and knobs.)
Product weight	5.4 lbs (2.3 kg)
Shipping weight	9 lbs (4.1 kg)
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE *Specifications are subject to change without notice.*

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